

Declaration and Power of Attorney for a Patent Application

Declaration

As below named inventor, I hereby declare that my residence post office address, and citizenship are as stated below my name. Further, I hereby declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A SELECTIVE ETCH SWALLOW TRENCH ISOLATION BARRIER INTEGRATED CIRCUIT CHIP AND FABRICATION METHOD

the specification of which:

 X is attached hereto, or
 _____ was filed on _____ as application serial no. _____ : and
 _____ was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above; and

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

Foreign Priority Claim

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| Number | Country | Date Filed | Priority Claimed |
|--------|---------|------------|------------------|
| _____ | _____ | _____ | yes no |
| _____ | _____ | _____ | yes no |

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Serial Number | Filing Date | Status (patented/pending/abandoned) |
|---------------|-------------|-------------------------------------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Power of Attorney

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

| | |
|----------------------|--------------------------|
| James P. Hao | Registration No.: 36,398 |
| Anthony C. Murabito | Registration No.: 35,295 |
| John P. Wagner | Registration No.: 35,398 |
| Glenn D. Barnes | Registration No.: 42,293 |
| Wilfred H. Lam | Registration No.: 41,923 |
| Patrick W. Ma | Registration No.: 44,215 |
| Christopher R. Novak | Registration No.: 42,041 |

Send Correspondence to:

WAGNER, MURABITO & HAO LLP
Two North Market Street
Third Floor
San Jose, California 95113
(408) 938-9060

Signatures

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor: Calvin Todd Gabriel

Inventor's Signature *x* Calvin Todd Gabriel Date *x* 24 January 2000

Residence Cupertino, California Citizenship USA

(City State)

P.O. Address 1496 Rose Garden Lane, Cupertino, CA 95014

Full Name of Second/Joint Inventor: Edward K. Yeh

Inventor's Signature _____ Date _____

Residence San Jose, California Citizenship USA

(City State)

P.O. Address 3272 Chateau du Lac, San Jose, CA 95148

Full Name of Third/Joint Inventor: _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____

(City State)

P.O. Address _____

Declaration and Power of Attorney for a Patent Application

Declaration

As below named inventor, I hereby declare that my residence post office address, and citizenship are as stated below my name. Further, I hereby declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A SELECTIVE ETCH SWALLOW TRENCH ISOLATION BARRIER INTEGRATED CIRCUIT CHIP AND FABRICATION METHOD

the specification of which:

☒ is attached hereto, or
was filed on _____ as application serial no. _____ : and
was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above; and

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

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| Number | Country | Date Filed | Priority Claimed |
|--------|---------|------------|--------------------|
| _____ | _____ | _____ | yes _____ no _____ |
| _____ | _____ | _____ | yes _____ no _____ |

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| Serial Number | Filing Date | Status (patented/pending/abandoned) |
|---------------|-------------|-------------------------------------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Power of Attorney

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

| | |
|-----------------------------|---------------------------------|
| <u>James P. Hao</u> | Registration No.: <u>36,398</u> |
| <u>Anthony C. Murabito</u> | Registration No.: <u>35,295</u> |
| <u>John P. Wagner</u> | Registration No.: <u>35,398</u> |
| <u>Glenn D. Barnes</u> | Registration No.: <u>42,293</u> |
| <u>Wilfred H. Lam</u> | Registration No.: <u>41,923</u> |
| <u>Patrick W. Ma</u> | Registration No.: <u>44,215</u> |
| <u>Christopher R. Novak</u> | Registration No.: <u>42,041</u> |

Send Correspondence to:

WAGNER, MURABITO & HAO LLP
 Two North Market Street
 Third Floor
 San Jose, California 95113
 (408) 938-9060

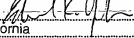
Signatures

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor: Calvin Todd Gabriel


| | |
|--|------------------------|
| Inventor's Signature | Date |
| Residence <u>Cupertino, California</u> | Citizenship <u>USA</u> |
| (City State) | |
| P.O. Address <u>1496 Rose Garden Lane, Cupertino, CA 95014</u> | |

Full Name of Second/Joint Inventor: Edward K. Yeh

| | |
|---|--------------------------|
| Inventor's Signature <u></u> | Date <u>Jan 24, 2000</u> |
| Residence <u>San Jose, California</u> | Citizenship <u>USA</u> |
| (City State) | |
| P.O. Address <u>3272 Chateau du Lac, San Jose, CA 95148</u> | |

Full Name of Third/Joint Inventor: _____

| | |
|----------------------------|-------------------|
| Inventor's Signature _____ | Date _____ |
| Residence _____ | Citizenship _____ |
| (City State) | |
| P.O. Address _____ | |

Please type a plus sign (+) inside this box 

PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

| | |
|------------------------|------------|
| Application Number | 09/492,737 |
| Filing Date | 01/27/2000 |
| First Named Inventor | C. Gabriel |
| Group Art Unit | 2822 |
| Examiner Name | K. Rose |
| Attorney Docket Number | US 008015 |

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number



Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Corporate Patent Counsel

Address

Philips Electronics North America Corporation

Address

580 White Plains Road

City

Tarrytown

Country

United States of America

State

NY

ZIP

10591

Telephone

(408) 617-4832

Fax

(408) 617-4856

I am the:



Applicant/Inventor.



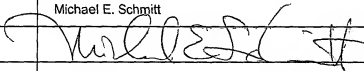
Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

Michael E. Schmitt

Signature



Date

MAR 9, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.



*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

| | |
|------------------------|--|
| Application Number | 09/492,737 |
| Filing Date | 01/27/2000 |
| First Named Inventor | C. Gabriel |
| Title | A selective Etch Shallow Trench Isolation Barrier Integrated Circuit |
| Group Art Unit | 2822 |
| Examiner Name | K. Rose |
| Attorney Docket Number | US 008015 |

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner(s) named below:

Place Customer
Number Bar Code
Label here

| Name | Registration Number |
|---------------------|---|
| Peter S. Zawilski | 43,305 |
| Harold Tsiang | 35,721 |
| Gwenaëlle Le Pennec | Limited Recognition under 37 CFR 10.9 (b) |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.

OR

☐ Practitioners at Customer Number

OR

Place Customer
Number Bar Code
Label here

☒ Firm or
Individual Name

Corporate Patent Counsel

Address

Philips Electronics North America Corporation

Address

580 White Plains Road

City

Tarrytown

State

NY

Zip

10591

Country

United States of America

Telephone

(408) 617-4832

Fax

(408) 617-4856

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name

Michael E. Schmitt

Signature

Michael E. Schmitt

Date

JAN 9 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Koninklijke Philips Electronics N.V.Application No./Patent No.: 09/492,737Filed/Issue Date: 01/27/2000Entitled: A Selective Etch Shallow Trench Isolation Barrier Integrated Circuit Chip and Fabrication Method

VLSI Technology, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010538, Frame 0123, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

- [] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date

MAR 9, 2002

Michael E. Schmitt


Typed or printed name

Signature

Principal Attorney/Manager

Title

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|--|---------------|---|---|
| I hereby certify that the transmittal of the below described documents is being deposited with the United States Postal Service in an envelope bearing Express Mail Postage and an Express Mail label, with the below serial number, addressed to the Commissioner of Patents and Trademarks, Washington, D.C., 20231, on the below date of deposit. | | | |
| Express Mail Label No.: | EL852342736US | Name of Person Making the Deposit: | Anthony Chou |
| Date of Deposit: | 02/12/02 | Signature of the Person Making the Deposit: |  |

Inventor(s): GABRIEL

Serial No.: 09/492,737

Group Art Unit:

Filed: January 27, 2000

Examiner:

Batch No:

Title: A SELECTIVE ETCH SHALLOW TRENCH ISOLATION BARRIER INTEGRATED CIRCUIT CHIP AND FABRICATION METHOD

Assistant Commissioner for Patents
Washington, D.C. 20231

REQUEST FOR WITHDRAWAL AS ATTORNEY (37 CFR 10.40(c))

1. I, an attorney signing below, respectfully request permission to withdrawal from all further responsibility in this case, in accordance with 37 CFR 1.36.

☐ Because the amendment referred to in item 4A(iii) below is a continuing application signed only by an attorney named below under

☐ 37 CFR 1.60(b)

☐ 37 CFR 1.62(c)

this request is also for such continuing application

LAST KNOWN ADDRESS OF CLIENT

2. The last known mailing address of the:

☐ inventor(s)

☒ assignee of entire interest is:

PHILIPS ELECTRONICS NORTH AMERICAN CORPORATION
1251 Avenue of the Americas, New York, New York 10020-1104

BASIS FOR WITHDRAWAL REQUEST

3. The basis for the request for the withdrawal is 37 CFR 10.40(c) §(§) Client knowingly and willfully assents to withdrawal
Explanation (including brief description of exhibits, if any):

4. Status of Application

A. Response due (if any)

- (i) ☐ There is no outstanding term for response
(ii) ☒ There is an outstanding term for response that is set to expire on, 01/25/02
(iii) ☐ Also submitted herewith is a response to outstanding Official Action.

B. Time Left For Response

Therefore, the amount of time for response, including extension under 37 CFR 1.136(a), is:

☐ at least _____

☐ cannot be calculated because this case is/will now be awaiting action by the PTO.

NOTIFICATION OF CLIENT

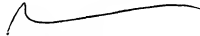
5. In accordance with 37 CFR 10.40(a), a copy of this request, including attachments, is being sent to the client.

A copy of the letter to the client is attached.

6. This request is enclosed in triplicate

SIGNATURES OF WITHDRAWING ATTORNEY(S)

7. The attorney below, John P. Wagner, Jr., is authorized to sign on behalf of the attorneys of record (as listed below) and is signing on their behalf.


Signature of withdrawing attorney

John P. Wagner, Jr. Reg. No.: 35,398

| | |
|----------------------|--------------------------|
| James P. Hao | Registration No.: 36,398 |
| Anthony C. Murabito | Registration No.: 35,295 |
| John P. Wagner | Registration No.: 35,398 |
| Glenn D. Barnes | Registration No.: 42,293 |
| Thomas M. Catale | Registration No.: 46,434 |
| Jose S. Garcia | Registration No.: 43,628 |
| Kenneth N. Glass | Registration No.: 42,587 |
| Lin C. Hsu | Registration No.: 46,315 |
| Mehlin Dean Matthews | Registration No.: 46,127 |
| Ronald M. Pomerence | Registration No.: 43,009 |
| John F. Ryan | Registration No.: 47,050 |
| William A. Zarbis | Registration No.: 46,120 |
| Matthew J. Blecher | Registration No.: 46,558 |
| Lawrence R. Goerke | Registration No.: 45,927 |

WAGNER, MURABITO & HAO LLP
Two North Market Street, Third Floor
San Jose, California 95113
(408) 938-9060

IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, DC 20231

Re: Changing of Correspondence Address, Atty Docket Number, Revocation of Attorney

Sir:

Attached are sixteen (16) sets of documents to make changes to the cases filed in your office and listed in the Table. These include:

- Transmittal Form
- Revocation of Power of Attorney
- Statement under 37 CFR 3.73(b)
- Power of Attorney or Authorization of Agent, Change of Correspondence Address
- Appendix B showing Assignee Representative's Authority to sign on behalf of Assignee

If required, please charge any additional fees which may now or in the future be required in this application, including extension of time fees, but excluding the issue fee unless explicitly requested to do so, and credit any overpayment, to Deposit Account No. 14-1270.

The Assistant Commissioner is invited to contact me at the phone number below to clarify any matters relevant to these changes. Filing particulars such as Serial Number, Filing Date are on the document sets corresponding to the Attorney Docket Numbers listed below.

| Attorney Docket Number | Application Number | Application Filing Date |
|------------------------|--------------------|-------------------------|
| PHA 50946 | 09/079,498 | 5/14/1998 |
| PHA 50992 | 09/085,874 | 5/27/1998 |
| PHA 51051 | 09/277,569 | 3/26/1999 |
| PHA 51077 | 09/377,886 | 8/19/1999 |
| PHA 51078 | 08/377,877 | 8/19/1999 |
| PHA 51170 | 09/281,619 | 3/30/1999 |
| PHA 51193 | 09/430,457 | 10/29/1999 |
| PHA 51200 | 09/470,296 | 12/22/1999 |
| PHA 51214 | 09/322,259 | 5/28/1999 |
| PHA 51220 | 09/412,892 | 10/5/1999 |
| PHA 51220A | 09/631,059 | 8/1/2000 |
| US 008011 | 09/487,757 | 1/19/2000 |
| US 008012 | 09/488,154 | 1/20/2000 |
| US 008012A | 10/044,061 | 1/11/2002 |
| US 008015 | 09/492,737 | 1/27/2000 |
| US 008610 | 09/586,555 | 5/31/2000 |

CERTIFICATE OF EXPRESS MAILING

Express Mail Mailing Label No. *EL862479534115*

Date of Deposit: *MAY 13, 2002*

I hereby certify that this paper and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

By: *Peter S. Zawajski*

Name: Peter S. Zawajski
Reg. No.: 43,305
Tel. (408) 617-4832

Correspondence Address:
Corporate Patent Counsel
Philips North America Corporation
580 White Plains Road
Tarrytown, NY 10591